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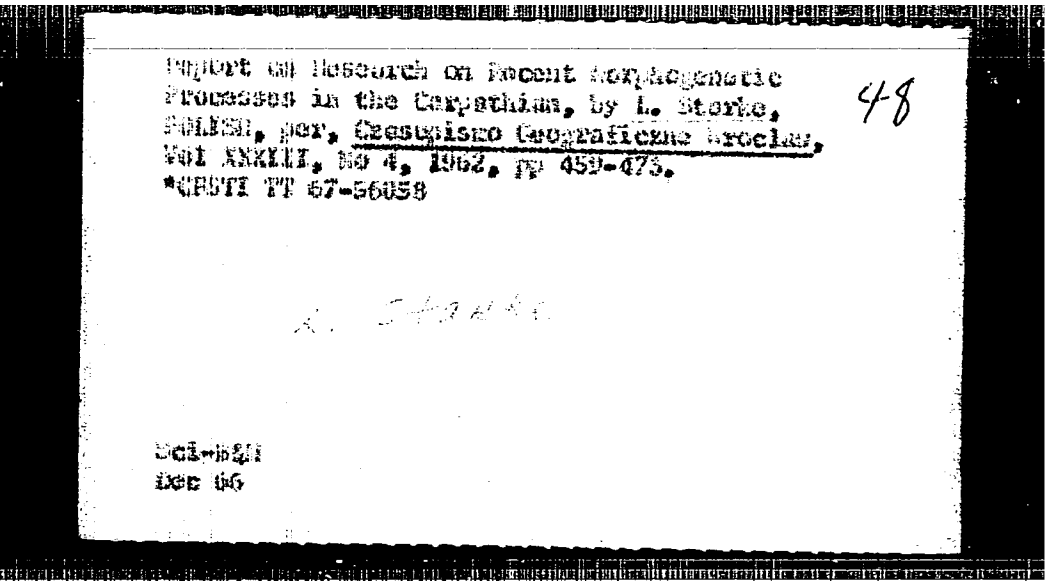

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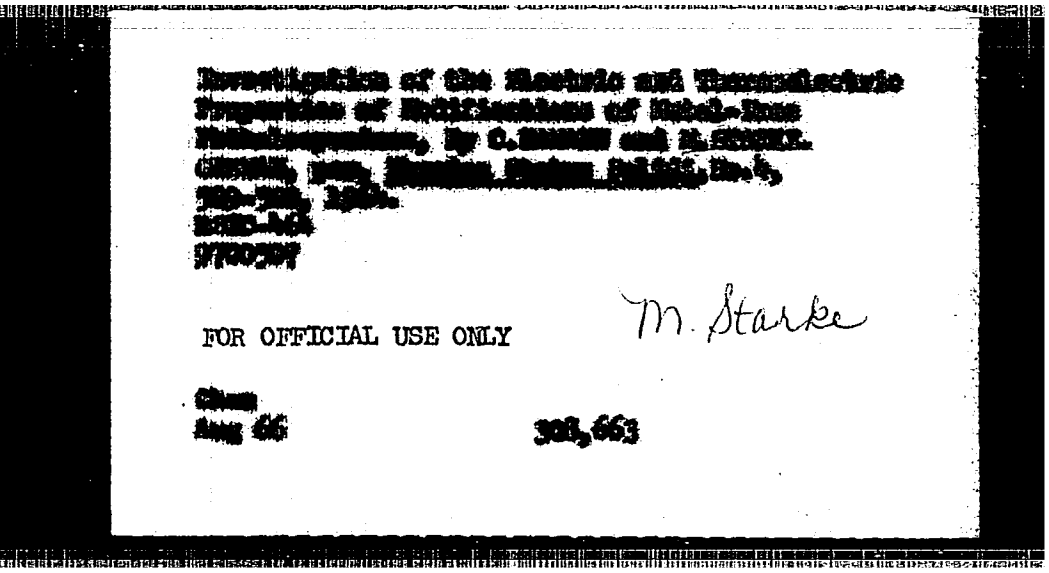

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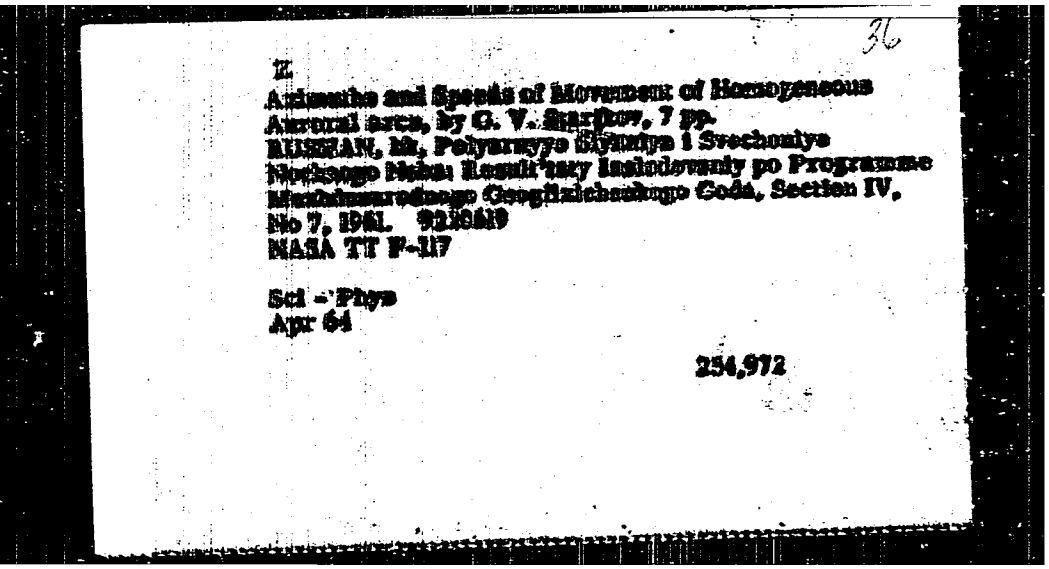

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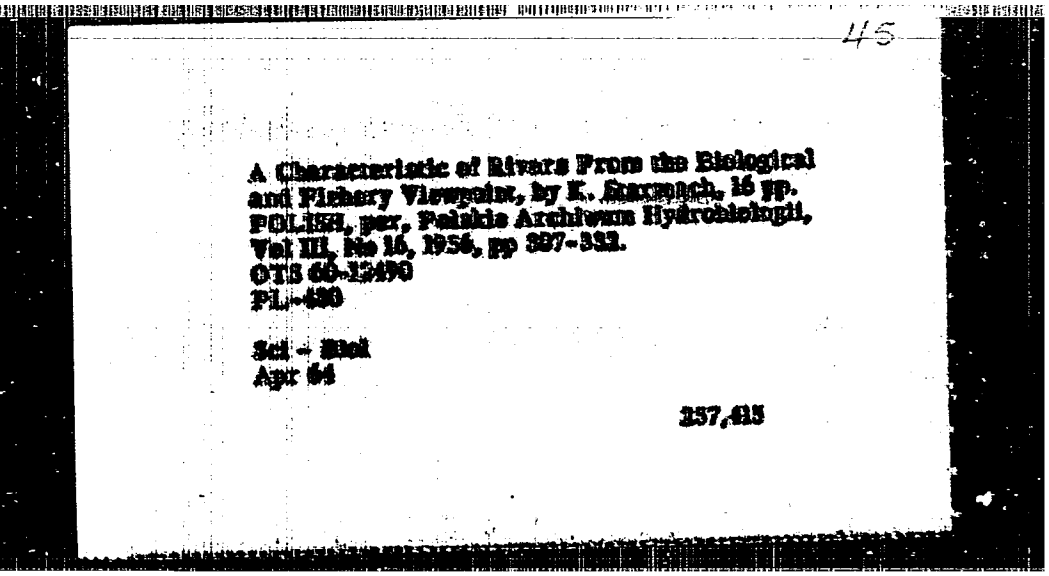

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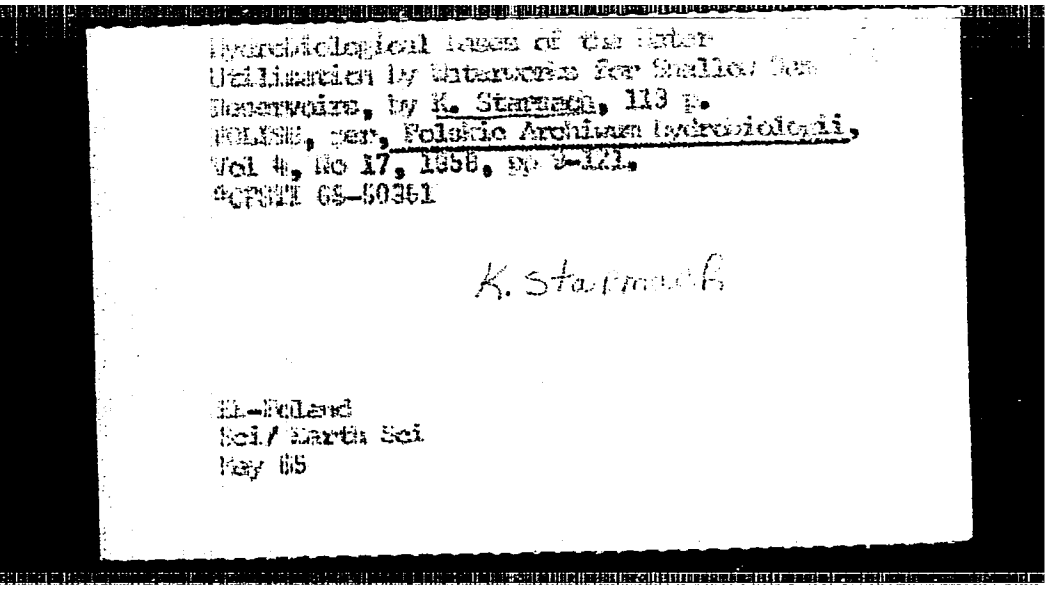

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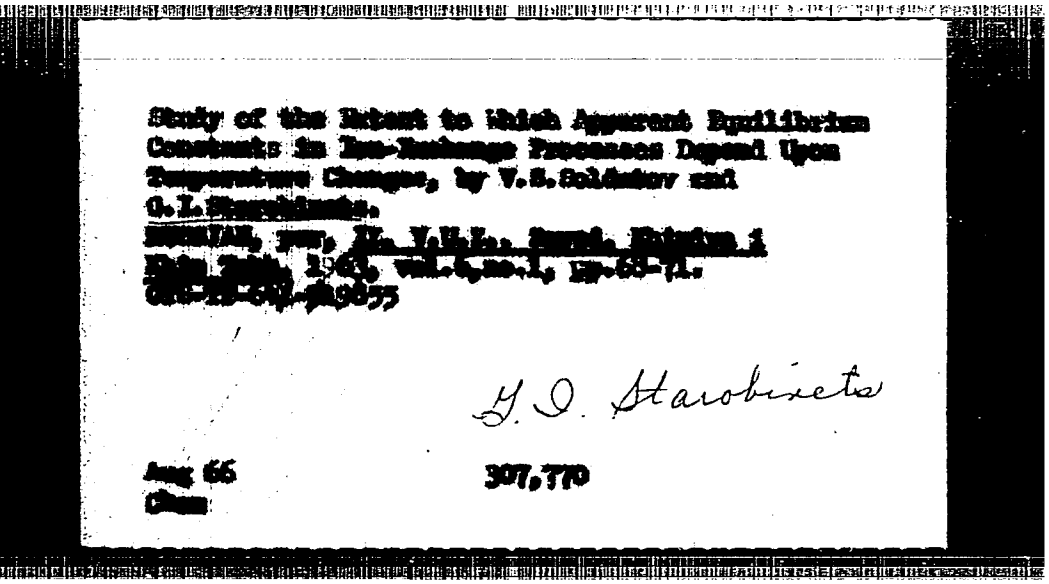

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Trans. of *Zhur[nal] Prikiad[noy] Khim[ii] (USSR) 1960, v. 33 [no. 3] p. 690-694.

Sulfocationic resines, with an exchange capacity of 1.4 to 3.2 m equiv/g, were produced through sulfonation of synthetic polybutadiene rubber and of its vulcanizates, containing 2, 10, 18 and 26% of tied sulfur. The ionites swell weakly, are chemically stable and have a sufficient mechanic solidity and thermal stability. Potentiometric titration of the ionites showed that they contain weakly acid, apparently hydroxylic groups. The exchange capacity in acid and in alkaline media diminishes linearly with the raise of reticulation degree in the initial polymers. Selectivity in hydrogen-cation exchange raises with the increase of polymers' degree (Chemistry--Analytical, TT, v. 5, no. 4) (over)

1. Ion exchange resins--Preparation
2. Butadiene polymers--Applications
I. Starobinets, G. L.
II. Sevostyanova, L. I.
III. Bulatskaya, G. N.

Office of Technical Services

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Order from OTS or SLA $1.10 62-14820

Trans. of #Kolloid[nyi] Zhur[nal] (USSR) 1961 [v. 23] no. 1, p. 112-[117].

DESCRIPTORS: *Polymers, *Synthetic rubber, *Nitrile rubber, *Pentadienes, Benzenes, Aliphatic compounds, Alcohols, Hydrocarbons.

A study was made of the sorption of binary systems of the type of solvent-polar nonsolvent (benzene-aliphatic alcohols) and solvent-nonpolar nonsolvent (aromatic hydrocarbons-aliphatic hydrocarbons) by butadiene-nitrile rubber vulcanizates containing 18.26 and 40% acrylonitrile. In systems in which the (Materials--Elastomers, TT, v. 8, no. 7) (over)

62-14820

I. Starobinets, G. L.
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C222979

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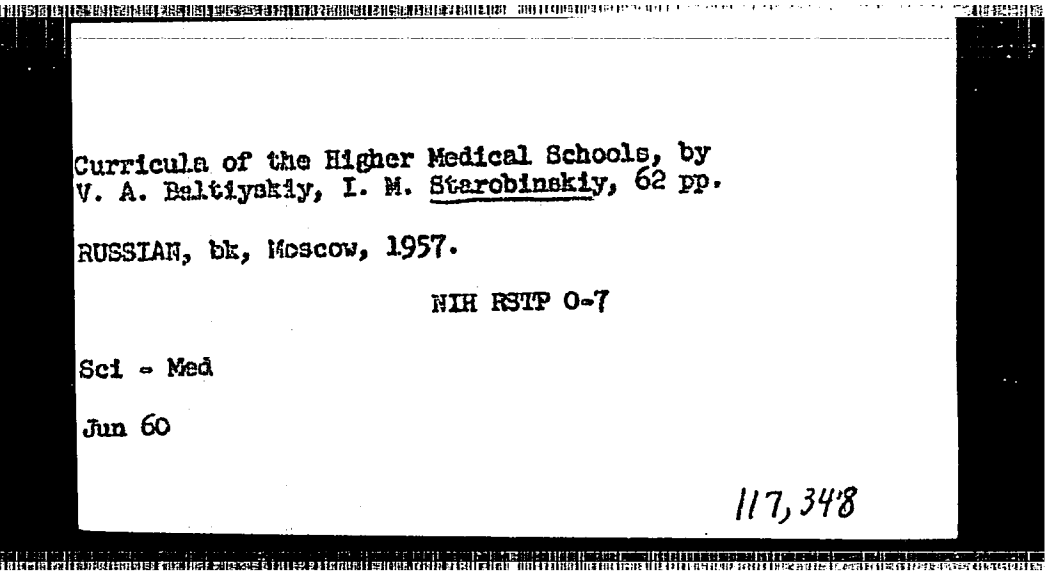

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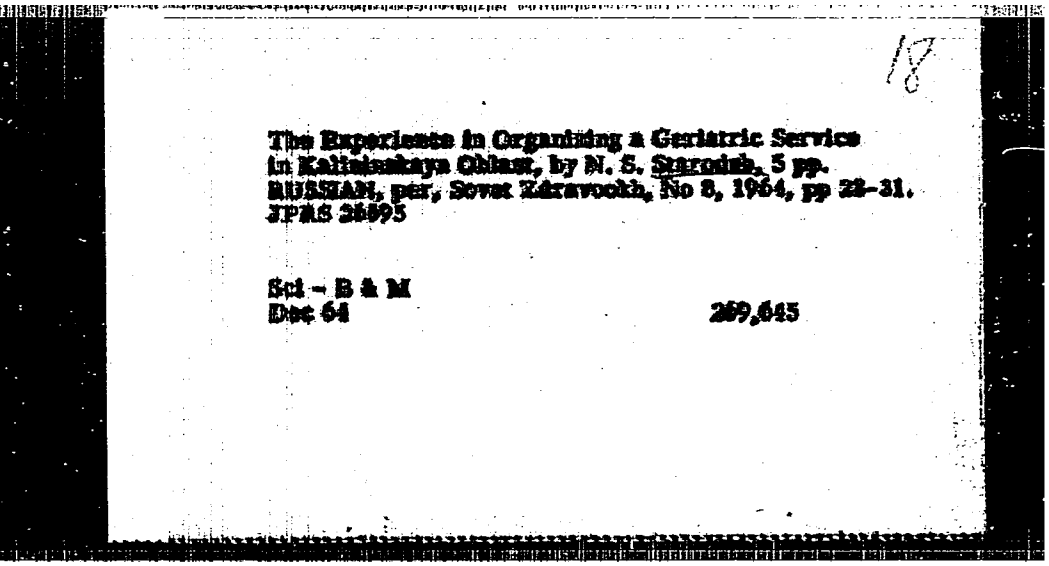

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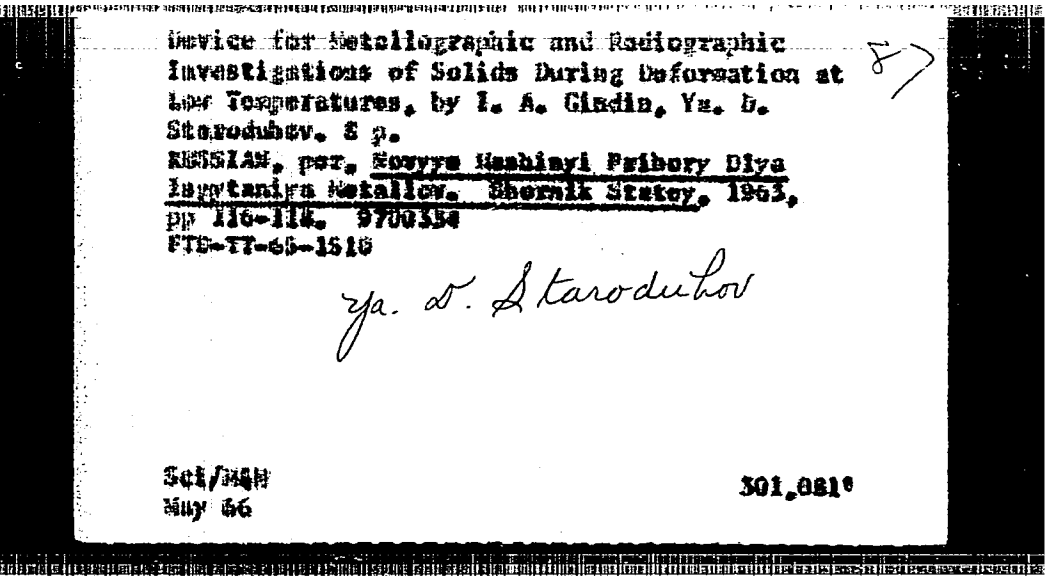

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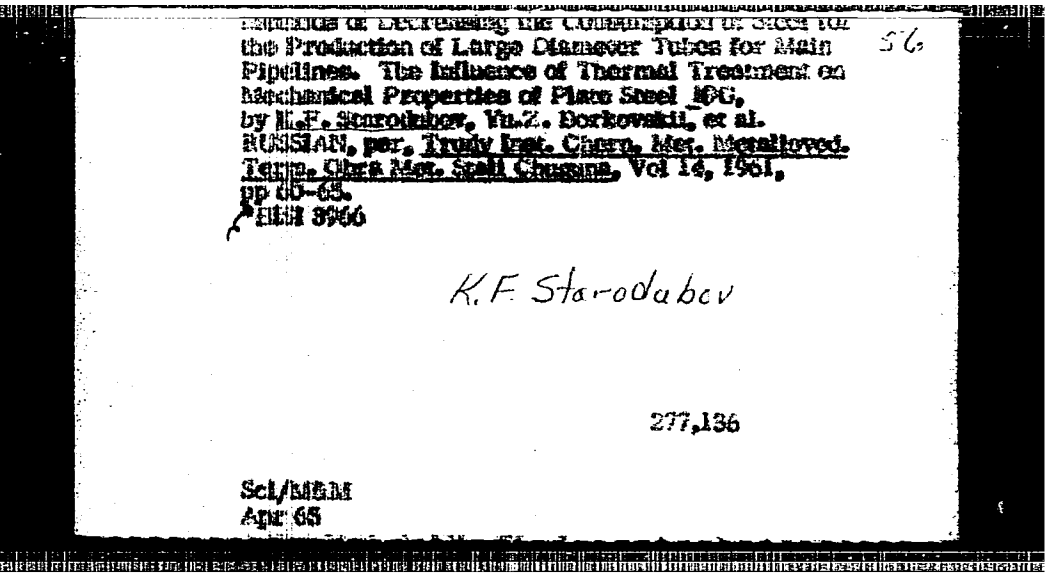

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